

What is Claimed is:

1. A coaxial plug connector comprising:

an electrically conductive shield housing;

a center conductor, which is connectable to a cable center conductor and to a
5 complementary center conductor of a mating plug connector; and,

an outer conductor which is connectable to an outer conductor of the mating plug
connector and to a cable outer conductor, the outer conductor including a first half shell
and a second half shell which can be joined together in a direction substantially transverse
with respect to the longitudinal axis of the cable, the half shells of the outer conductor
10 forming the shield housing.
2. The coaxial plug connector according to Claim 1, further comprising a
sleeve which reaches approximately form-fittingly around the outer conductor in a
connection region.
3. The coaxial plug connector according to Claim 2, wherein the sleeve is a
15 crimped sleeve which connects the outer conductor to the cable outer conductor.
4. The coaxial plug connector according to Claim 1, wherein a connection
region of the outer conductor is constructed such that it can be surrounded by the cable
outer conductor when assembled.
5. The coaxial plug connector according to Claim 4, wherein the outer
20 conductor reaches around the cable outer conductor in the connection region when
assembled.

6. The coaxial plug connector according to Claim 1, wherein the outer conductor has a hinge-like attachment for connecting the two half shells by rotation.

7. The coaxial plug connector according to Claim 6, wherein the hinge-like attachment has an axis of rotation that runs transversely with respect to the longitudinal axis of the cable.

8. The coaxial plug connector according to Claim 6, wherein the hinge-like attachment is formed by at least one hook integrally formed on one of the half shells and engaging in an associated engagement opening on the other half shell.

9. The coaxial plug connector according to Claim 1, further comprising a dielectric positioned between the center conductor and the outer conductor, the center conductor being latchable to the dielectric.

10. The coaxial plug connector according to Claim 9, wherein the center conductor has a peripheral latching projection which engages in an associated recess in the dielectric.

11. The coaxial plug connector according to Claim 10, wherein the center conductor has a peripheral ramp which engages in an associated second ramp on the dielectric.

12. The coaxial plug connector according to Claim 1, wherein the coaxial plug connector is an angled plug connector in which the longitudinal axis of the cable runs substantially transversely with respect to the mating direction into the mating plug connector.

13. The coaxial plug connector according to Claim 12, wherein the center conductor has a contact region for making a connection with the center conductor of the

mating plug connector and a connection region for connection to the cable center conductor and the center conductor is angled such that the contact region and the connection region are oriented at approximately a right angle to each another.

14. The coaxial plug connector according to Claim 1, wherein the center
5 conductor may be made as a turned part, by punching and bending or as an extruded part.

15. The coaxial plug connector according to Claim 1, wherein the center conductor is connectable to the cable center conductor by one of a crimp connection, a solder connection and a push-in connection.

16. The coaxial plug connector according to Claim 1, wherein the half shells
10 can are made of metal by one of a die casting technique and a cutting-machining process.

17. The coaxial plug connector according to Claim 1, wherein the half shells are made by one of a synthetic material with a filler of conductive fibres and a synthetic material with a conductive coating.

18. The coaxial plug connector according to Claim 17, wherein the first half
15 shell and/or the second half shell are constructed by a plurality of parts.

19. A coaxial angled plug connector comprising:

an electrically conductive shield housing;

a center conductor, being made as a turned part, which is connectable in a connection region to a cable center conductor and in a contact region to a complementary
20 center conductor of a mating plug connector; and,

an outer conductor which is connectable to an outer conductor of the mating plug connector and to a cable outer conductor, in which the center conductor is angled such

that the contact region and the connection region form an angle of approximately 90° with one another.

20. A process for making a coaxial plug connector, comprising the steps of:

(a) mounting a center conductor in a first half shell of an outer conductor, in

5 which the center conductor is insulated from the first half shell by a dielectric,

(b) connecting the center conductor to a cable center conductor,

(c) mounting a second half shell of the outer conductor formed by the shield housing, in which the first half shell and the second half shell of the outer conductors form an electrically conductive shield housing, and

10 (d) connecting a connection region of the outer conductor to a cable outer conductor.